

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4312	(361/20,21,23,91.1,111).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/07 11:07
L2	42	1 and load near2 dump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 11:07
S1	4	((("5103124") or ("5285344"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/06 09:43
S2	6	("3412392"   "3796831"   "4590533"   "4594517"   "4611126").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 10:42
S3	0	("5103124").URPN.	USPAT	OR	ON	2007/08/06 10:43
S4	0	("5103124").URPN.	USPAT	OR	ON	2007/08/06 10:43
S5	6	("3488560"   "4262243"   "4268787"   "4315204"   "5089766").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 10:43
S6	7	("5285344").URPN.	USPAT	OR	ON	2007/08/06 10:45
S7	3794	load near2 dump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:16
S8	272	S7 and (cut near3 off cutting near2 off interrupt\$3 near3 power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 10:48

## EAST Search History

S9	173	S7 and (absorb absorbing suppressing suppress suppression clamp clamping) near4 voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:17
S10	43	("3581150"   "3599079"   "3612982"   "3631258"   "3663946"   "3938005"   "4096429"   "4340849"   "4362982"   "4401937"   "4453120"   "4477766"   "4599552"   "4623833"   "4831322"   "5061889"   "5089766"   "5099189"   "5254935"   "5319299"   "5453901"   "5483146"   "5497071"   "5512813"   "5550456"   "5719485"   "5731689"   "5748463"   "5754030"   "5805394"   "5880577"   "5936440"   "5982154"   "5982155"   "6037753"   "6046917"   "6060866"   "6208120"   "6462517"   "6696820"   "6803748"   "6815933"   "RE29475").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 10:54
S11	3	("5027181"   "5302889"   "5517379").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 11:23
S12	6	("5585991").URPN.	USPAT	OR	ON	2007/08/06 11:23
S13	6	("5585991").URPN.	USPAT	OR	ON	2007/08/06 11:24
S14	3	("5027181"   "5302889"   "5517379").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 11:24
S15	83	load near2 dump near3 (sensing sensor sensed detect detecting detector detection measure measuring measurement monitor monitoring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:14
S16	8	S15 and (absorb absorbing suppressing suppress suppression clamp clamping) near4 (transient surge spike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:22
S17	110	S7 and (absorb absorbing suppressing suppress suppression clamp clamping) near4 (transient surge spike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:58

## EAST Search History

S18	28	S15 and (transient surge spike power near2 transient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:23
S19	9	("4334256"   "4484244"   "4589049"   "4605980"   "4698529"   "4698720"   "4703388"   "4710791"   "4745450").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 12:25
S20	18	("4835416").URPN.	USPAT	OR	ON	2007/08/06 12:25
S21	3	("4703388"   "4835416"   "5130883").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 12:27
S22	3	("6411481").URPN.	USPAT	OR	ON	2007/08/06 12:35
S23	2	("5877534").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/06 12:35
S24	1	("5060037").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 12:36
S25	13	("5877534").URPN.	USPAT	OR	ON	2007/08/06 12:37
S26	315	S7 same (transient surge spike)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:58
S27	276	S7 same (absorb absorbing suppressing suppress suppression clamp clamping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:58
S28	11	("4008418"   "5019888"   "5235489"   "5276582"   "5333105"   "5578960"   "5764041"   "5804977"   "6137338"   "6331763"   "6509723").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 13:01
S29	6	("3641424"   "3947752"   "3968421"   "4319179"   "4593338"   "6137276").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 13:23

## EAST Search History

S30	62	S7 with pulse	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 13:23
S31	73	S7 with pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 13:23
S32	6	("3488560"   "4262243"   "4268787"   "4315204"   "5089766").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 13:25
S33	7	("5285344").URPN.	USPAT	OR	ON	2007/08/06 13:53
S34	118	S7 and time near4 measur\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 13:56
S35	20	S7 with delay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 13:57
S36	17	S7 with timer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 13:57
S37	6	("3852613"   "4161759"   "4503477"   "4573099"   "4589049"   "4590533"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 13:58
S38	3	("3955132"   "4005342"   "4040115"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 14:01
S39	2	("4161759").URPN.	USPAT	OR	ON	2007/08/06 14:04
S40	147	S7 and time near3 duration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 14:04

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S41	3	("4703388"   "4835416"   "5130883").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 14:21
S42	3	("6411481").URPN.	USPAT	OR	ON	2007/08/06 14:40
S43	44	S7 with duration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 14:40
S44	6	("3412392"   "3796831"   "4590533"   "4594517"   "4611126").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 14:42
S45	229	measur\$3 near3 (transient surge spike) near4 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 14:45
S46	3695	measur\$3 near3 (transient surge spike voltage) near4 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 14:45
S47	4	S7 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 14:46
S48	338	S7 and (time timer delay) near4 (measur\$3 sens\$3 detect\$4 monitor\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 14:47
S49	0	load near2 dump and measur\$3 near4 (surge transient) near3 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 08:56

## EAST Search History

S50	13	load near2 dump and measur\$3 near4 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:17
S51	34	load near2 dump and measur\$3 near7 duration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:07
S52	3	load near2 dump and duration near6 (surge transient) near3 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:19
S53	75	load near2 dump and duration near6 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:22
S54	273	load near2 dump and timer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:22
S55	110	S54 and (absorb absorbing suppressing suppress suppression clamp clamping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:08
S56	0	("5103124").URPN.	USPAT	OR	ON	2007/08/07 07:28
S57	0	("5103124").URPN.	USPAT	OR	ON	2007/08/07 07:28
S58	8	("4703388").URPN.	USPAT	OR	ON	2007/08/07 07:28

## EAST Search History

S59	22	("3745362"   "3979642"   "4005342"   "4020395"   "4305004"   "4679112"   "4703388"   "5083078"   "5241295"   "5463521"   "5748422"   "5796567"   "5828967"   "5962931"   "6144110"   "6219214"   "6288881"   "6465996"   "6473284"   "6538866"   "6556401"   "6606227").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 07:29
S60	2	("3789269"   "6222341").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 07:30
S61	6	("6606227").URPN.	USPAT	OR	ON	2007/08/07 07:31
S62	3	("6411481").URPN.	USPAT	OR	ON	2007/08/07 07:38
S63	19829	siemens near2 aktiengesellschaft.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:39
S64	2	load near2 dump and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:39
S65	11	("20020024309"   "20030001534"   "20050132765"   "20060294425"   "20070029961"   "3027505"   "6184665"   "6559614"   "7102320"   "7112899").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 07:39
S66	0	overvoltage and measur\$3 near4 (surge transient) near3 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:50
S67	200	overvoltage and measur\$3 near3 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 07:50

## EAST Search History

S68	3	load near2 dump and (repeat\$3 continuous continuously) near4 (surge transient high voltage overvoltage) near3 pulse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 08:20
S69	8	("4703388").URPN.	USPAT	OR	ON	2007/08/07 08:20
S70	3	("4703388"   "4835416"   "5130883").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 08:47
S71	3	("6411481").URPN.	USPAT	OR	ON	2007/08/07 08:47
S72	9	("4334256"   "4484244"   "4589049"   "4605980"   "4698529"   "4698720"   "4703388"   "4710791"   "4745450").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 08:53
S73	4	("3449598"   "3626249"   "3660719").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 08:54
S74	10	("3626249").URPN.	USPAT	OR	ON	2007/08/07 08:56
S75	1157	(361/23).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/07 08:56
S76	2	load near2 dump and S75	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 08:57
S77	195	load near2 dump and duration near4 (pulse time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 08:57
S78	5	("5119265"   "5130883"   "5477675"   "5569995"   "6650521").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 08:59
S79	11	("4008418"   "5019888"   "5235489"   "5276582"   "5333105"   "5578960"   "5764041"   "5804977"   "6137338"   "6331763"   "6509723").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 09:00



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S80	5	("4516865"   "4667516"   "4896245"   "4924194"   "4937697").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 09:01
S81	22	("5119265").URPN.	USPAT	OR	ON	2007/08/07 09:02
S82	436	load near2 dump and (reset reconnect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:08
S83	161	S82 and (absorb absorbing suppressing suppress suppression clamp clamping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:08
S84	10	load near2 dump same overvoltage and voltage near3 (sens\$3 detect\$4 monitor\$3 measur\$3) and (reset reconnect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:32
S85	6	("3488560"   "4262243"   "4268787"   "4315204"   "5089766").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 09:26
S86	7	("5285344").URPN.	USPAT	OR	ON	2007/08/07 09:27
S87	144	load near2 dump and voltage near3 (sens\$3 detect\$4 monitor\$3 measur\$3) and (reset reconnect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:33
S88	3	("6157163"   "6324086"   "6434032").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 11:07